

Date: Sat, 17 Sep 94 04:30:29 PDT
From: Ham-Equip Mailing List and Newsgroup <ham-equip@ucsd.edu>
Errors-To: Ham-Equip-Errors@UCSD.Edu
Reply-To: Ham-Equip@UCSD.Edu
Precedence: Bulk
Subject: Ham-Equip Digest V94 #332
To: Ham-Equip

Ham-Equip Digest Sat, 17 Sep 94 Volume 94 : Issue 332

Today's Topics:

(none)
Helical Filters (was: Info needed on RF Concepts 2m/440 Amp)
 Info needed on RF Concepts 2m/440 Amp
 Kenwood TS-60S info please
 Micor Compa-station for 6m?
 Motorola MX 350 manual needed
 Need a DIAL knob replacem
Needed: source for 25W capable marine VHF rubber ducky antenna
 RFI proof phones
 SPECTRUM ANALYZER
Why can't DSP filters be put in low-level audio path? (2 msgs)
 WTB-Kenwood TM-631

Send Replies or notes for publication to: <Ham-Equip@UCSD.Edu>
Send subscription requests to: <Ham-Equip-REQUEST@UCSD.Edu>
Problems you can't solve otherwise to brian@ucsd.edu.

Archives of past issues of the Ham-Equip Digest are available
(by FTP only) from UCSD.Edu in directory "mailarchives/ham-equip".

We trust that readers are intelligent enough to realize that all text
herein consists of personal comments and does not represent the official
policies or positions of any party. Your mileage may vary. So there.

Date: 16 Sep 94 17:52:00 GMT
From: news-mail-gateway@ucsd.edu
Subject: (none)
To: ham-equip@ucsd.edu

UNSUBSCRIBE

Date: 16 Sep 1994 10:30:34 -0400
From: psinntp!JH.Org!not-for-mail@uunet.uu.net

you can excite the amp with as little as 1 watt on uhf or vhf, at least i do with a kenwood th78-a.

Date: 16 Sep 94 09:34:05 PDT
From: ihnp4.ucsd.edu!dog.ee.lbl.gov!agate!howland.reston.ans.net!
europa.eng.gtefsd.com!library.ucla.edu!csulb.edu!nic-nac.CSU.net!clstcs!
armyrman@network.ucsd.edu
Subject: Kenwood TS-60S info please
To: ham-equip@ucsd.edu

In article <lopez.6.000C2FBB@pktr.desy.de>, lopez@pktr.desy.de writes:
> Does anyone on this group have any experience with the Kenwood TS-60S compact
> 6 metre all-mode rig. What is the US price for this piece of kit? [2400 DM in
> Germany is a little steep I think so I'm tking of importing direct from the
> US] many thanks gerry [F35L0P.dsyibm.desy.de] DD5AX

--
Hi Gerry,

The TS60S here in the states is going for around \$1200 US
Not sure how many DM that converts to, but that's alot of money here.
It's just about the same price as the TS50S!

Is it just me?? Why is this radio so expensive?
Has anyone actually bought one of these?
1200 bucks for 6 meters seems rediculus

Alex R. Myrman - KC6TMB - armyrman@clst1.sci.csupomona.edu
College of Science Computational Systems - (909) 869-4226
California State Polytechnic University, Pomona, CA. USA

Date: 14 Sep 1994 14:46:03 -0700
From: news.sprintlink.net!news.world.net!news.teleport.com!news.teleport.com!not-
for-mail@uunet.uu.net
Subject: Micor Compa-station for 6m?
To: ham-equip@ucsd.edu

For Sale/Trade:

Motorola "Micor Compa-Station", 100W 4-channel business band (47 MHz)
base station, continuous duty rated, suitable for use as 6 Meter repeater.

\$150/offer/trade for 2M vertical or 2M mobile transceiver. <<503-655-6410>>

73's
Gene
KB7WIP

Date: Wed, 14 Sep 1994 16:53:43 GMT
From: newshub.sdsu.edu!nic-nac.CSU.net!usc!howland.reston.ans.net!math.ohio-state.edu!magnus.acs.ohio-state.edu!csn!col.hp.com!news.dtc.hp.com!hplextra!hplntx!hpscit.sc.hp.com@ihnp4.ucsd.edu
Subject: Motorola MX 350 manual needed
To: ham-equip@ucsd.edu

The unit has crystals, not a synth (unfortunately). It has a new battery and an almost new drop in charger. Was owned by the Idaho Fish & Game Department. If I can't get it tuned up/working, I'll likely have to sell it, in which case the battery and charger are likely worth much more than the non-receiving radio.

I've not called Motorola parts (yet), as their manuals run in the \$20 to \$40 range. I was hoping to get a photocopy for the repair effort (as it would be cheaper) and then if the radio works, get a real manual.

Thanks for your replies

-Kevin

The statements/opinions expressed here are not necessarily those of the Hewlett-Packard Company. HP paid a research firm millions of dollars to get their own opinions, and has made it clear they do not wish to share mine.

Kevin C. Hess (KB7UKR)	Hewlett-Packard Network Printer Division
hess@hpdmd48.boi.hp.com	(208) 396-3384 Boise, Idaho 83704

Date: Wed, 14 Sep 94 09:30:00 -0800
From: news.claremont.edu!kaiwan.com!ledge!darryl.linkow@uunet.uu.net
Subject: Need a DIAL knob replacem
To: ham-equip@ucsd.edu

SG>somewhere but now It's gone for good. I would gladly buy it from anyone or
SG>I'd appreciate if you could let me know where to get it.

Just order from: Yaesu
17210 Edwards Road

Cerritos, CA 90701
(310) 404-2700

Give them a call and ask for the parts department. If they can't help you, no one can!

* OLX 2.2 * Darryl Linkow (818)346-5278 9 am - 5 pm PDT

Date: Wed, 14 Sep 1994 14:34:13 -0400
From: netcomsv!butch!rapnet.sanders.lockheed.com!skydvr.sanders.lockheed.com!user@decwrl.dec.com
Subject: Needed: source for 25W capable marine VHF rubber ducky antenna
To: ham-equip@ucsd.edu

Hi all,

I'm looking for a rubber ducky style antenna for a 25W marine VHF radio. Why would someone want such a thing, you ask? Well, on racing sailboats we do need a VHF, but we don't need the added weight of the antenna, or worse, the cable, up at the masthead. So we typically put a conventional metal marine 1/4 wave whip on the stern pulpit.

Anyhow, the other day we saw a boat with a rubber 1/4 wave VHF antenna. We liked it because it looked safer and more robust than the metal whip. Unfortunately, I have been unable to locate a source for it. Any pointers to such a beast, or to public service or Ham antennas that could be tuned, would be greatly appreciated.

Please email because I do not subscribe to this group.

Thanks,
Scott (straurig@mailgw.sanders.lockheed.com)

Date: 13 Sep 94 13:45:32 GMT
From: news-mail-gateway@ucsd.edu
Subject: RFI proof phones
To: ham-equip@ucsd.edu

40 meter contesting and interfering with the answer phone is getting old, both for me and my wife. Its a GE, and I've tried all kinds of filtering. Anybody got any ideas for rfi proof answer phones? Reply to me, I'll summarize. Thanks. Fred KE7X ieeefc@msu.oscs.montana.edu

Date: 14 Sep 1994 13:49:25 GMT
From: ihnp4.ucsd.edu!ucsnews!newshub.sdsu.edu!nic-nac.CSU.net!usc!
howland.reston.ans.net!vixen.cso.uiuc.edu!usenet.ucs.indiana.edu!master.cs.rose-
hulman.edu!news@network.ucsd.edu
Subject: SPECTRUM ANALYZER
To: ham-equip@ucsd.edu

Thanks to all who responded to our offer of the old HP spectrum analyzer. We have given it to a ham who is doing GHZ work on AMSAT,s , and will come and pick it up.

Best of 73,s to everyone
DAVE K9ZCE

Date: Thu, 15 Sep 1994 19:36:43 GMT
From: psinntp!arrl.org!dnewkirk@uunet.uu.net
Subject: Why can't DSP filters be put in low-level audio path?
To: ham-equip@ucsd.edu

David Feldman (dgf@netcom.com) wrote:

: For all of the DSP filter products I'm aware of, they sit on the 8 ohm audio
: output before the speaker. It seems this would expose the DSP to the rig's
: AGC action, making it harder to recover a desired weak signal when a strong
: (undesired) signal is nearby.

: Do any of the DSP products have low-level connections appropriate for the
: audio path before the AGC? In particular, I'd like to use a DSP with a
: Ten-Tec Argonaut (which makes the pre-AGC audio available on a loop-thru
: basis at the accessory connector).

: Any comments or recommendations?

The Ten-Tec Argonaut--and I assume you don't mean the Argonaut II--and some other Ten-Tec radios of several equipment generations back used audio AGC, but--at least in analog radios--non-RF-derived AGC is an anachronism in high-performance gear except in highly specialized applications. So looking for an audio DSP product to have I/O ports of levels and impedances suitable for use "before AGC" may vector your search into the weeds.

You're onto something worthwhile, however, in the sense that letting the audio you want to low-level filter go all the way through your radio's audio chain and out through its power-amp IC so you have to attenuate it for application to the DSP circuitry is a hair on the dumb side -- *except* that these DSP boxes are aftermarket devices, and must default to "8 ohms in,"

input attenuation and containing their own seemingly redundant power amps because none of our radios have low- or line-level "send" and "receive" audio jacks (like sound-reinforcement and recording panels tend to have for 'FX'--sound effects--devices like reverbs, phasers, delay lines, etc) necessary to do it the "right" way.

It would be best if we could patch audio DSP into our radios as soon after our radios' detectors as possible, assuming that matters of gain distribution and noise figure are under control. Warranty matters aside, if you're willing and able to dig into your radio and DSP box and do a bit of patching, you could probably effect the necessary low-level I/O yourself. (This is assuming that your radio's post-DSP audio chain would be worth using, by the way; even some multikilobuck radios have significantly hissy power-output chips that we might as well let aftermarket, "8-ohm input" DSP clean up.)

Regards,

David Newkirk, WJ1Z
Senior Assistant Technical Editor
QST

Date: 16 Sep 94 03:35:30 GMT
From: news.delphi.com!BIX.com!hamilton@uunet.uu.net
Subject: Why can't DSP filters be put in low-level audio path?
To: ham-equip@ucsd.edu

Following up on Dave Feldman's and Dave Newkirk's comments, I just don't understand what's so hard about having a pair of jacks on the back of the rig so you route the audio thru some outboard processors before it goes to the power amp stage. Are all the major manufacturers that dumb or just deaf that can't get this message? The stereo manufacturers (and come to think of it, aren't some also ham equipment manufacturers?) have had this figured out for 20 years. Can you component? I knew you could.

Setting aside questions about whether it's more "efficient" or whatever to send the preamp vs. power amp outputs thru a DSP, it should be obvious they are not equivalently convenient! On my FT-990, e.g., there are some Din connectors for connecting a TNC. The audio output to the TNC is fixed-level, allowing me to turn the volume down independently once I've got a station tuned in. Great! But if I want to put a DSP in there, I've got to give that feature up. Why, for heavens' sake?

Regards,

Doug Hamilton KD1UJ hamilton@bix.com Ph 508-358-5715 FAX 508-358-1113
Hamilton Laboratories, 13 Old Farm Road, Wayland, MA 01778-3117, USA

Date: Fri, 16 Sep 1994 09:45:05 -0700 (PDT)
From: ihnp4.ucsd.edu!dog.ee.lbl.gov!agate!howland.reston.ans.net!
news.sprintlink.net!monopoly.callamer.com!usenet@network.ucsd.edu
Subject: WTB-Kenwood TM-631
To: ham-equip@ucsd.edu

I looking to buy a Kenwood TH-631 2 meter / 1-1/4 meter dual band radio.
If you have one and are interested in selling it please call me
(805-5443397) or E-mail me (smsmith@pinot.callamer.com) with your
condition and price.

Thanks!

Steve Smith, KC6WRD

Date: 16 Sep 1994 10:03:43 -0700
From: ihnp4.ucsd.edu!dog.ee.lbl.gov!agate!barrnet.net!nntp.crl.com!crl4.crl.com!
not-for-mail@network.ucsd.edu
To: ham-equip@ucsd.edu

References <dgfcw4v5E.Fs1@netcom.com>, <1994Sep15.193643.5088@arrl.org>,
<hamilton.779686530@BIX.com>om
Subject : Re: Why can't DSP filters be put in low-level audio path?

In article <hamilton.779686530@BIX.com>,
hamilton@BIX.com (hamilton on BIX) wrote:

> On my FT-990, e.g., there are
> some Din connectors for connecting a TNC. The audio output to the TNC
> is fixed-level, allowing me to turn the volume down independently once
> I've got a station tuned in. Great! But if I want to put a DSP in
> there, I've got to give that feature up. Why, for heavens' sake?

Doug -

In addition to the TNC audio, there is another fixed-level audio out
on the back of your FT-990. Check the labels on the RCA jacks for "AF
Out" (look at the bottom row of jacks). There is also a
variable-level output ("SPEAKER Out") in the top row of jacks.

Therefore, you can have your audio DSP -and- your packet too, since
packet audio is on one of the DIN pins. Or, you may wish to run the
(packet) audio throught the DSP unit before processing by the TNC.

Lou

Internet: 1genco@crl.com Lou.Genco@LChance.sat.tx.us
Ham Radio Packet: N5SGL @ K3WGF.#SAT.TX.USA tcp/ip: n5sg1@sat.ampr.org

End of Ham-Equip Digest V94 #332
